

REMARKS

Claims 1 - 28 are pending in the application. Claim 6-15 and 16-23 were allowed. However, independent Claims 6 and 16 are currently amended in response to Examiner's comments to the Specification in the Detailed Action. For the reasons noted in the 'Comments on the Specification' section above, the claim amendments are fully supported by the application.

Claims 1 and 24 stand rejected by the Examiner over *Corcoran* in US Patent 4,839,869. Claims 2, 4, 5, 25, 27 and 28 are objected to by the examiner as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form.

Claims 1 and 24 were previously amended to include the limitations of previously canceled claims 3 and 26 respectively, and are currently amended to use a constant water velocity for determination of a vertical time correction. Additionally, currently amended Claims 1 and 24 are consistent with Examiner's statement of reasons for allowance for allowed Claims 6 and 16 respectively.

Dependent claims 5, 11, 12, 20 and 28 are currently amended for conformity with their respective currently amended independent claims. Reconsideration of the application is respectfully requested. No new matter has been added.

Applicant submits that the application is patentable over the prior art of record and the claims are in condition for allowance and respectfully requests that the claims of the application be allowed. No new material has been added by this office action response. Consideration of the application, as amended, is respectfully requested. No fee is believed to be due for these amendments. The Commissioner is hereby authorized to charge any fee due for these amendments to **Deposit Account No. 50-1720 (594-25572)**.

Respectfully submitted,

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